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Ink compsn. of board marker type - prep'd. by dispersing pigment, binder of water soluble synthetic resin of polyvinyl alcohol etc in water

Patent Assignee: INOUE T (INOUE-I)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1011174	A	19890113	JP 87166512	A	19870703	198908 B
JP 94004805	B2	19940119	JP 87166512	A	19870703	199406

Priority Applications (No Type Date): JP 87166512 A 19870703

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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JP 1011174 A 7

JP 94004805 B2 C09D-011/16 Based on patent JP 1011174

Abstract (Basic): JP 1011174 A

An ink compsn. of board marker type is prep'd. by dispersing mainly a water-dispersible pigment, a binder of water-soluble synthetic resin comprising mainly polyvinyl alcohol having polymerisation degree = upto 1000 and a releasing agent contg. a silicone surfactant in water.

USE/ADVANTAGE - The ink compsn. is used as an aq. board marker ink having no odour nor toxicity and high erasability from a white board, etc. The written letters have no tackiness and stability in the course of time. The board marker ink contg. the compsn. has sustained writing workability. The binder comprises partly saponified alcohol having saponification deg. 86-89 mol. % and opt. other water-soluble natural or synthetic resin and used in an amount = 2-10 wt. %. The releasing agent is pref. of formula (I). (in which R<sub>1</sub> = alkylene, R<sub>2</sub> = alkyl or H, m and n = integer of at least 1 and p and q are 0 or an integer so that at least one of p or q = integer of at least 1 and has average mol. wt. = 1000-1200, number of Si-atoms = 20-160 and wt. ratio of the disilicone component/polyether component = 70/30 - 40/60. The releasing agent is blended opt. with polyol or dimethyl polysiloxane).

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Title Terms: INK; COMPOSITION; BOARD; MARK; TYPE; PREPARATION; DISPERSE; PIGMENT; BIND; WATER; SOLUBLE; SYNTHETIC; RESIN; POLYVINYL; ALCOHOL; ET; WATER

Derwent Class: A14; A26; A97; G02

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File Segment: CPI

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3253 2674 2675 3285

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